

In the claims

1 26. (Twice Amended) A system for generating a high-luminance viewing window on a
2 computer display device, comprising:

3 a host computer system for running an application program;

4 a processor device for automatically generating a window control signal in response to
5 said application program;

6 a window generator device, for receiving said window control signal, and for generating
7 a window information signal; and

8 a display control device included in said computer display device for receiving a video
9 signal and said window information signal, for processing said video signal in response to said
10 window information signal and for providing a processed video signal to a computer display
11 screen to generate said high-luminance viewing window thereon, said display control device
12 including a limiter device for limiting the luminance within the high luminance viewing window.

1 29. (Amended) The system of Claim 28 wherein said [computer display device includes a]
2 limiter device is coupled to said window generator device and to said HVPS, and said limiter
3 device [for limiting] limits the luminance by limiting the beam current supplied to said CRT
4 device by said HVPS.

1 36. (Twice Amended) A method for generating a high-luminance viewing window on a
2 computer display device, comprising:
3 running an application program on a host computer;
4 generating a window control signal in response to said application program;
5 generating a window information signal in response to said window control signal;
6 using a display control device for receiving a video signal and said window information
7 signal, for processing said video signal in response to said window information signal, and for
8 providing a processed video signal to a computer display screen to generate said high-luminance
9 viewing window thereon; [and]
10 providing said processed window information signal to said computer display device for
11 generating said high-luminance viewing window thereon; and
12 providing a limiter for limiting the luminance within the high-luminance viewing
13 window.

1 38. (Amended) The method of Claim 37 wherein said limiter is an automatic beam limiter (ABL)
2 device, and comprising:
3 providing a high-voltage power supply (HVPS) [and an automatic beam limiter (ABL)
4 device] within said computer display device;
5 generating a high-voltage signal using said HVPS and providing said high-voltage signal
6 to the anode of said CRT device; and

7 sampling the current of said high-voltage signal using said ABL device, wherein said
8 ABL device determines when to limit beam current supplied to said CRT.

1 43. (Twice Amended) A computer-readable medium containing instructions for [performing]
2 causing a computer to perform steps comprising:

3 running an application program on a host computer;

4 generating a window control signal in response to said application program, said window
5 control signal including a video data signal;

6 generating a window information signal in response to said window control signal;

7 using a display control device for receiving a video signal and said window information
8 signal, and for processing said video signal in response to said window information signal; [and]

9 providing a processed video signal to a computer display screen to generate said high-
10 luminance viewing window thereon; and

11 limiting the luminance via a limiting device within the high-luminance viewing windows.

1 45. (Twice Amended) A system for generating high-luminance windows on a display device,
2 comprising:

3 means for running an application program, said application program providing a video
4 data signal;

5 means for generating a window control signal in response to said application program;

6 means for generating a window information signal in response to said window control
7 signal;

8 means for processing said window information signal using a display control device for
9 receiving a video signal and said window information signal; [and]

10 means for applying a processed video signal to a computer display screen to generate said
11 high-luminance viewing windows; and

12 means for limiting the luminance within the high-luminance viewing windows.